

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/696,909A

Source:

Date Processed by STIC: FWO
3/1/05

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IFWO

RAW SEQUENCE LISTING

DATE: 03/01/2005

PATENT APPLICATION: US/10/696,909A

TIME: 08:06:04

Input Set : A:\-58-2.app

Output Set: N:\CRF4\03012005\J696909A.raw

3 <110> APPLICANT: Lorens, James B.
 4 Atchison, Robert E.
 5 Friera, Anabella
 6 Holland, Sacha
 7 Rigel Pharmaceuticals, Inc.
 9 <120> TITLE OF INVENTION: Modulators of Angiogenesis and Tumorigenesis
 11 <130> FILE REFERENCE: 021044-005820US
 13 <140> CURRENT APPLICATION NUMBER: US 10/696,909A
 14 <141> CURRENT FILING DATE: 2003-10-29
 16 <150> PRIOR APPLICATION NUMBER: US 60/512,251
 17 <151> PRIOR FILING DATE: 2003-10-17
 19 <150> PRIOR APPLICATION NUMBER: US 60/421,989
 20 <151> PRIOR FILING DATE: 2002-10-29
 22 <160> NUMBER OF SEQ ID NOS: 72
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 80
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic Axl
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 60 <223> OTHER INFORMATION: AXL receptor tyrosine kinase (AXL), transcript
 61 variant 1 cDNA
 63 <400> SEQUENCE: 3

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150 <210> SEQ ID NO: 4

151 <211> LENGTH: 894

152 <212> TYPE: PRT

153 <213> ORGANISM: Homo sapiens

155 <220> FEATURE:

156 <223> OTHER INFORMATION: AXL receptor tyrosine kinase (AXL), isoform 1; AXL
 157 transforming sequence/gene; oncogene AXL

159 <400> SEQUENCE: 4

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164           20           25           30
166 Glu Glu Ser Pro Phe Val Gly Asn Pro Gly Asn Ile Thr Gly Ala Arg
167           35           40           45

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173 65      70      75      80
175 Ser Thr Gln Thr Gln Val Pro Leu Gly Glu Asp Glu Gln Asp Asp Trp
176      85      90      95
178 Ile Val Val Ser Gln Leu Arg Ile Thr Ser Leu Gln Leu Ser Asp Thr
179      100     105     110
181 Gly Gln Tyr Gln Cys Leu Val Phe Leu Gly His Gln Thr Phe Val Ser
182      115     120     125
184 Gln Pro Gly Tyr Val Gly Leu Glu Gly Leu Pro Tyr Phe Leu Glu Glu
185      130     135     140
187 Pro Glu Asp Arg Thr Val Ala Ala Asn Thr Pro Phe Asn Leu Ser Cys
188 145     150     155     160
190 Gln Ala Gln Gly Pro Pro Glu Pro Val Asp Leu Leu Trp Leu Gln Asp
191      165     170     175
193 Ala Val Pro Leu Ala Thr Ala Pro Gly His Gly Pro Gln Arg Ser Leu
194      180     185     190
196 His Val Pro Gly Leu Asn Lys Thr Ser Ser Phe Ser Cys Glu Ala His
197      195     200     205
199 Asn Ala Lys Gly Val Thr Thr Ser Arg Thr Ala Thr Ile Thr Val Leu
200      210     215     220
202 Pro Gln Gln Pro Arg Asn Leu His Leu Val Ser Arg Gln Pro Thr Glu
203 225     230     235     240
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206      245     250     255
208 His Cys Thr Leu Gln Ala Val Leu Ser Asp Asp Gly Met Gly Ile Gln
209      260     265     270
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212      275     280     285
214 Val Pro Pro His Gln Leu Arg Leu Gly Ser Leu His Pro His Thr Pro
215      290     295     300
217 Tyr His Ile Arg Val Ala Cys Thr Ser Ser Gln Gly Pro Ser Ser Trp
218 305     310     315     320
220 Thr His Trp Leu Pro Val Glu Thr Pro Glu Gly Val Pro Leu Gly Pro
221      325     330     335
223 Pro Glu Asn Ile Ser Ala Thr Arg Asn Gly Ser Gln Ala Phe Val His
224      340     345     350
226 Trp Gln Glu Pro Arg Ala Pro Leu Gln Gly Thr Leu Leu Gly Tyr Arg
227      355     360     365
229 Leu Ala Tyr Gln Gly Gln Asp Thr Pro Glu Val Leu Met Asp Ile Gly
230      370     375     380
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248 465          470          475          480
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254          500          505          510
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257          515          520          525
259 Val Met Val Asp Arg His Lys Val Ala Leu Gly Lys Thr Leu Gly Glu
260          530          535          540
262 Gly Glu Phe Gly Ala Val Met Glu Gly Gln Leu Asn Gln Asp Asp Ser
263 545          550          555          560
265 Ile Leu Lys Val Ala Val Lys Thr Met Lys Ile Ala Ile Cys Thr Arg
266          565          570          575
268 Ser Glu Leu Glu Asp Phe Leu Ser Glu Ala Val Cys Met Lys Glu Phe
269          580          585          590
271 Asp His Pro Asn Val Met Arg Leu Ile Gly Val Cys Phe Gln Gly Ser
272          595          600          605
274 Glu Arg Glu Ser Phe Pro Ala Pro Val Val Ile Leu Pro Phe Met Lys
275          610          615          620
277 His Gly Asp Leu His Ser Phe Leu Leu Tyr Ser Arg Leu Gly Asp Gln
278 625          630          635          640
280 Pro Val Tyr Leu Pro Thr Gln Met Leu Val Lys Phe Met Ala Asp Ile
281          645          650          655
283 Ala Ser Gly Met Glu Tyr Leu Ser Thr Lys Arg Phe Ile His Arg Asp
284          660          665          670
286 Leu Ala Ala Arg Asn Cys Met Leu Asn Glu Asn Met Ser Val Cys Val
287          675          680          685
289 Ala Asp Phe Gly Leu Ser Lys Lys Ile Tyr Asn Gly Asp Tyr Tyr Arg
290          690          695          700
292 Gln Gly Arg Ile Ala Lys Met Pro Val Lys Trp Ile Ala Ile Glu Ser
293 705          710          715          720
295 Leu Ala Asp Arg Val Tyr Thr Ser Lys Ser Asp Val Trp Ser Phe Gly
296          725          730          735
298 Val Thr Met Trp Glu Ile Ala Thr Arg Gly Gln Thr Pro Tyr Pro Gly
299          740          745          750
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302          755          760          765
304 Lys Gln Pro Ala Asp Cys Leu Asp Gly Leu Tyr Ala Leu Met Ser Arg
305          770          775          780
307 Cys Trp Glu Leu Asn Pro Gln Asp Arg Pro Ser Phe Thr Glu Leu Arg
308 785          790          795          800
310 Glu Asp Leu Glu Asn Thr Leu Lys Ala Leu Pro Pro Ala Gln Glu Pro
311          805          810          815
313 Asp Glu Ile Leu Tyr Val Asn Met Asp Glu Gly Gly Gly Tyr Pro Glu
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; N Pos. 528,561

Seq#:42; N Pos. 353,445

VERIFICATION SUMMARY

DATE: 03/01/2005

PATENT APPLICATION: US/10/696,909A

TIME: 08:06:05

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L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:480

M:341 Repeated in SeqNo=22

L:3454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300

M:341 Repeated in SeqNo=42